FIG. 1

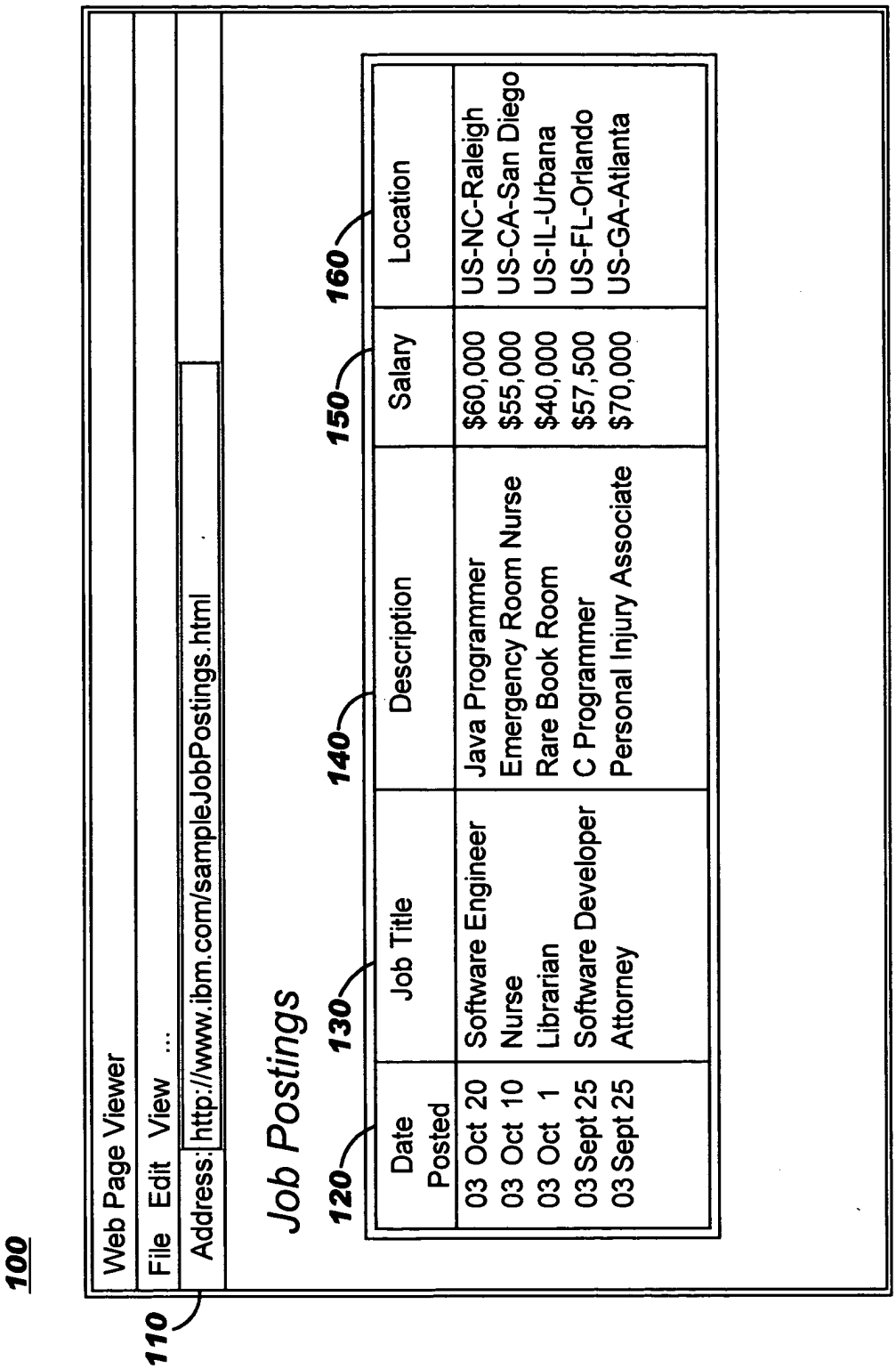

100
110
Web Page Viewer
File Edit View ...
Address: http://www.ibm.com/sampleJobPostings.html
Job Postings
120
130
140
150
160
Date Posted
Job Title
Description
Salary
Location
03 Oct 20
Software Engineer
Java Programmer
$60,000
US-NC-Raleigh
03 Oct 10
Nurse
Emergency Room Nurse
$55,000
US-CA-San Diego
03 Oct 1
Librarian
Rare Book Room
$40,000
US-IL-Urbana
03 Sept 25
Software Developer
C Programmer
$57,500
US-FL-Orlando
03 Sept 25
Attorney
Personal Injury Associate
$70,000
US-GA-Atlanta

FIG. 2

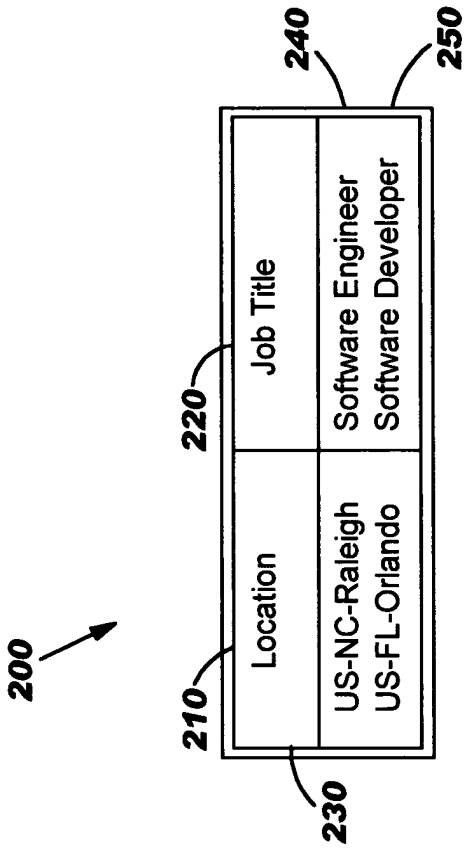

200
210
220
230
240
250
Location
Job Title
US-NC-Raleigh
US-FL-Orlando
Software Engineer
Software Developer

FIG. 3

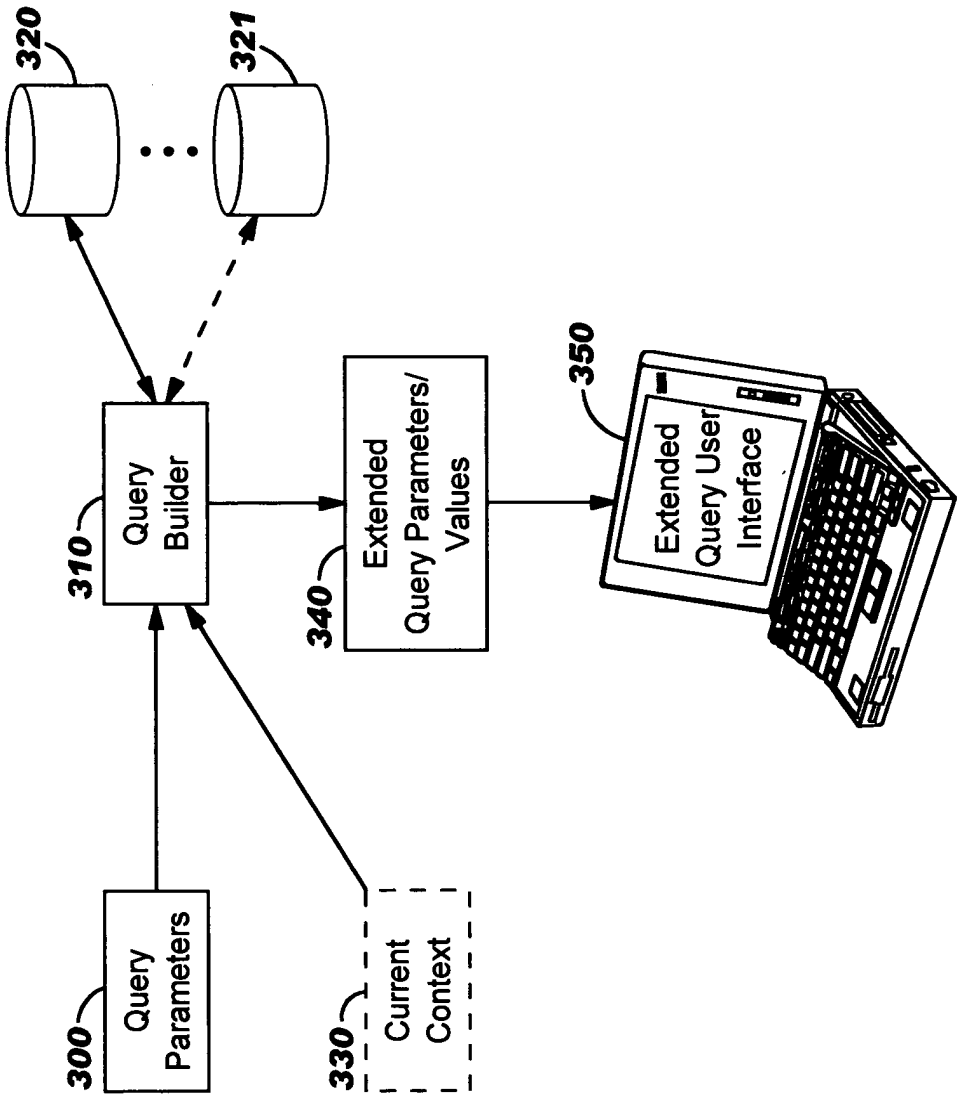

320
321
Query Builder
310
Extended Query Parameters/ Values
340
350
Extended Query User Interface
Query Parameters
300
Current Context
330

FIG. 4

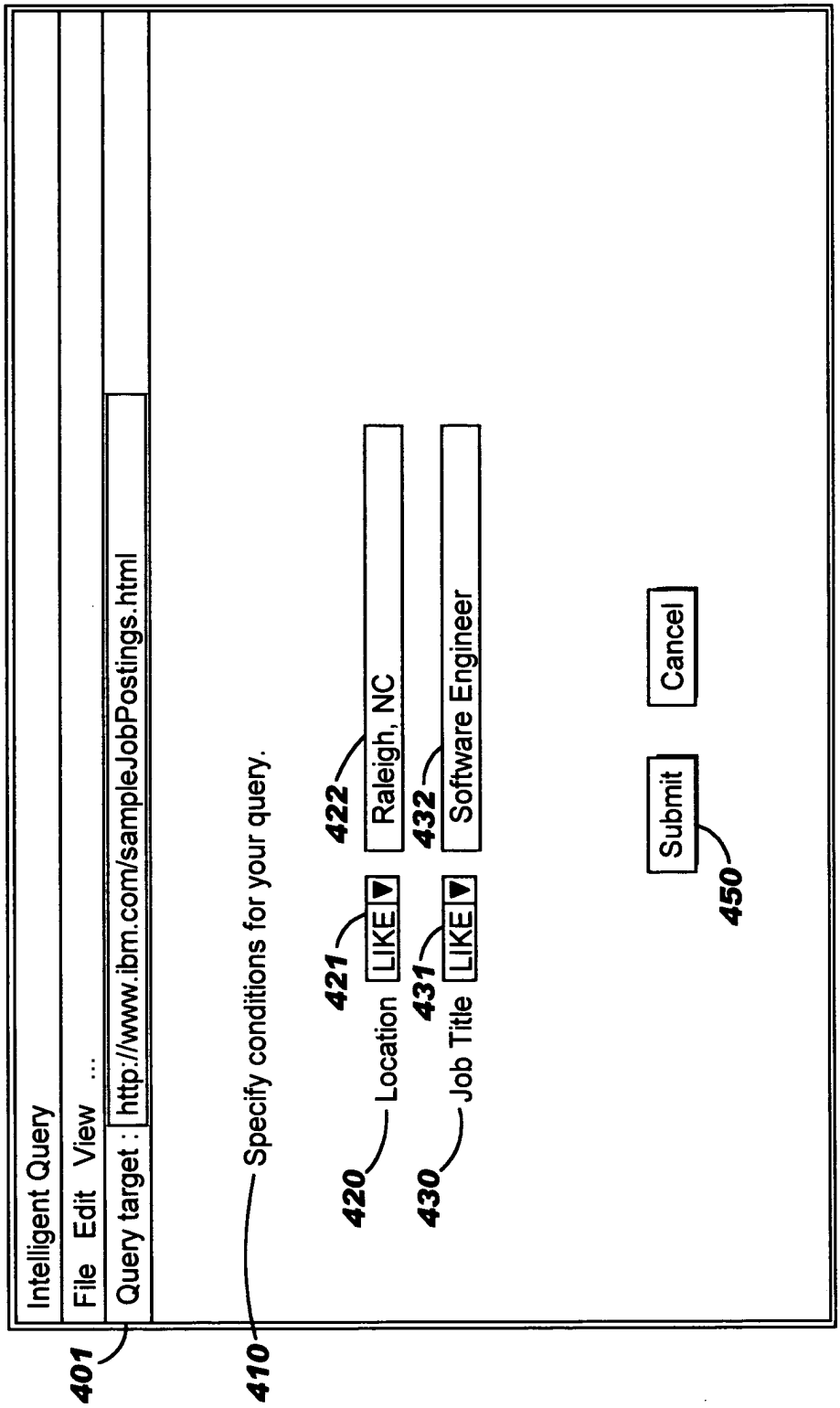

400
Intelligent Query
File Edit View ...
Query target : http://www.ibm.com/sampleJobPostings.html
401
410
Specify conditions for your query.
420
Location
LIKE
421
Raleigh, NC
422
430
Job Title
LIKE
431
Software Engineer
432
Submit
Cancel
450

FIG. 5

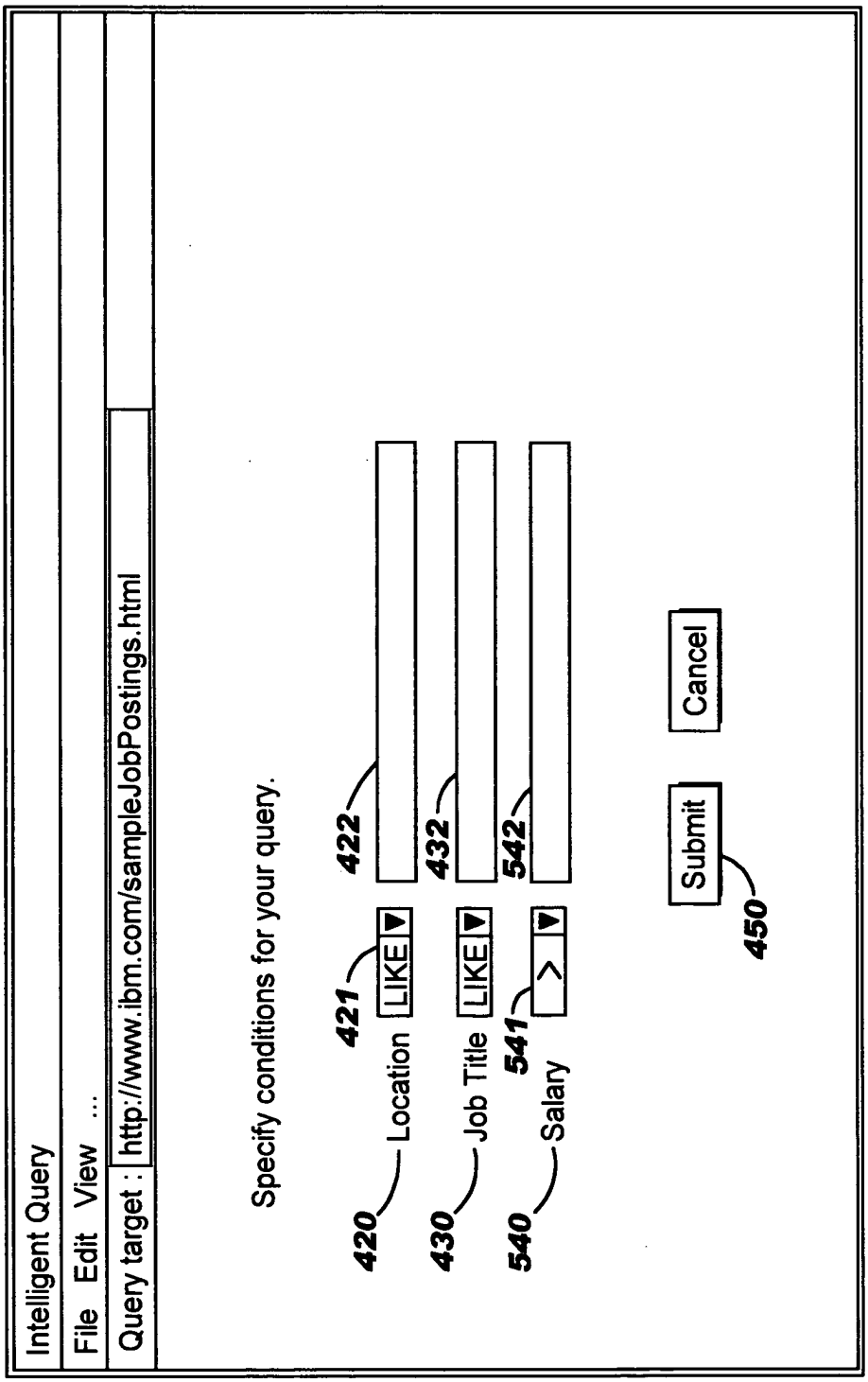

500
Intelligent Query
File Edit View ...
Query target : http://www.ibm.com/sampleJobPostings.html
Specify conditions for your query.
420
Location
421
LIKE
422
430
Job Title
LIKE
432
540
Salary
541
>
542
Submit
Cancel
450

FIG. 6

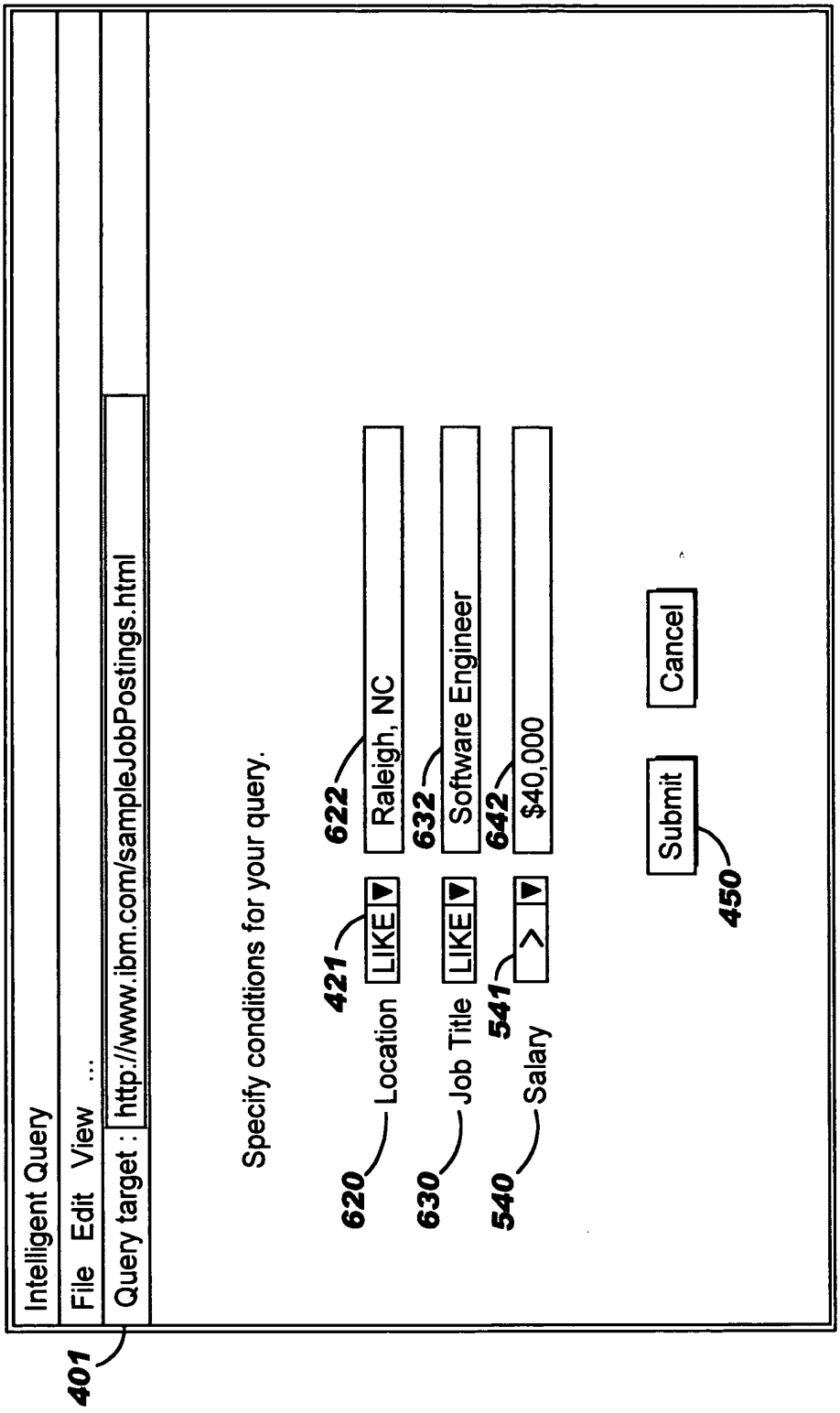

600
Intelligent Query
File Edit View ...
Query target : http://www.ibm.com/sampleJobPostings.html
401
Specify conditions for your query.
620
Location
421
LIKE
622
Raleigh, NC
630
Job Title
LIKE
632
Software Engineer
540
Salary
541
>
642
$40,000
Submit
Cancel
450

FIG. 7

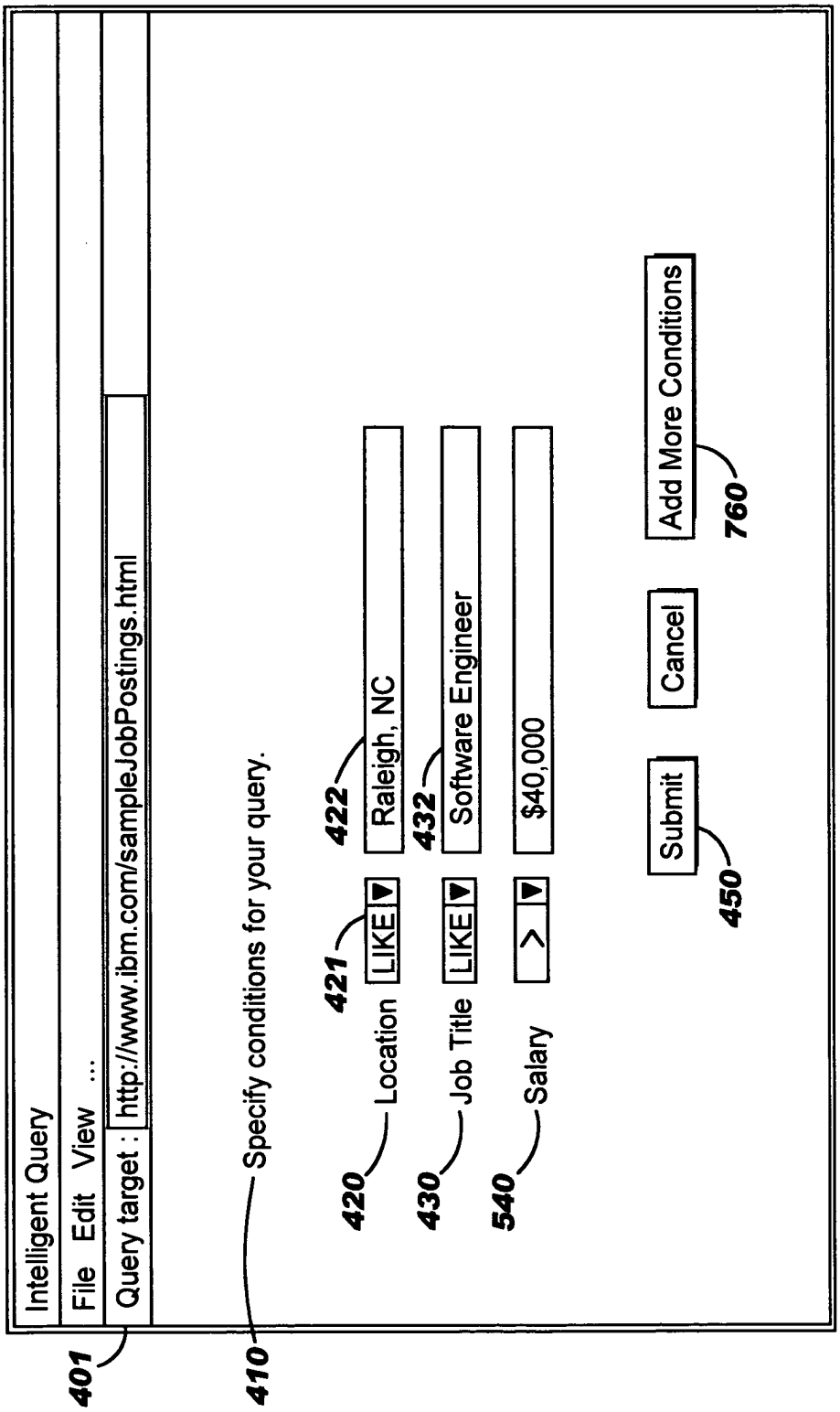

700
Intelligent Query
File Edit View ...
Query target : http://www.ibm.com/sampleJobPostings.html
401
410
Specify conditions for your query.
420
Location
421
LIKE
422
Raleigh, NC
430
Job Title
LIKE
432
Software Engineer
540
Salary
>
$40,000
Submit
Cancel
Add More Conditions
450
760

FIG. 9

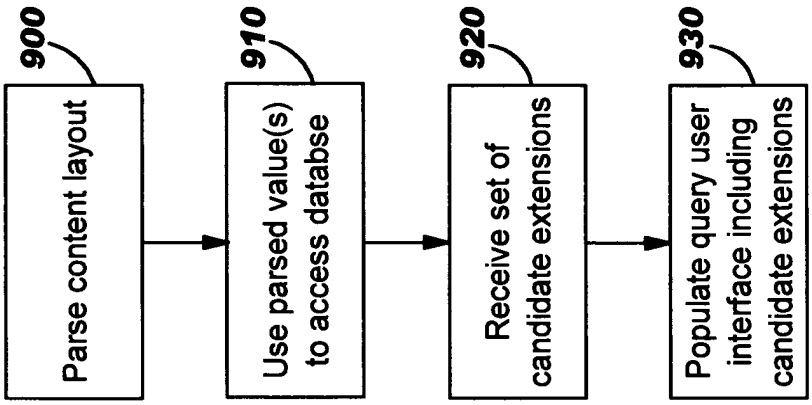

900
Parse content layout
910
Use parsed value(s) to access databse
920
Receive set of candidate extensions
930
Populate query user interface including candidate extensions

FIG. 8

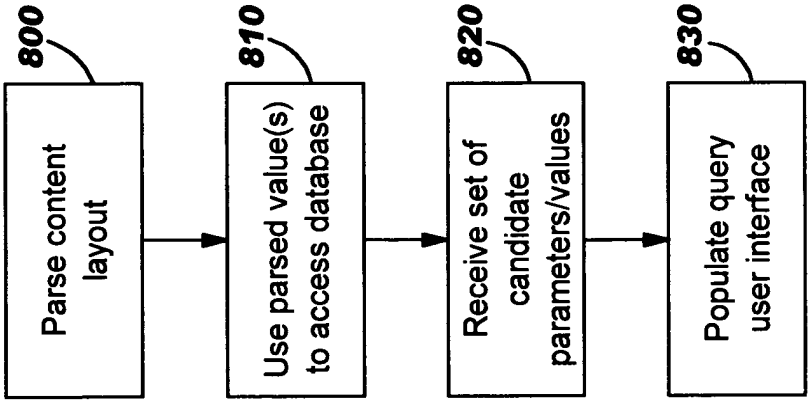

800
Parse content layout
810
Use parsed value(s) to access database
820
Receive set of candidate parameters/values
830
Populate query user interface

FIG. 11

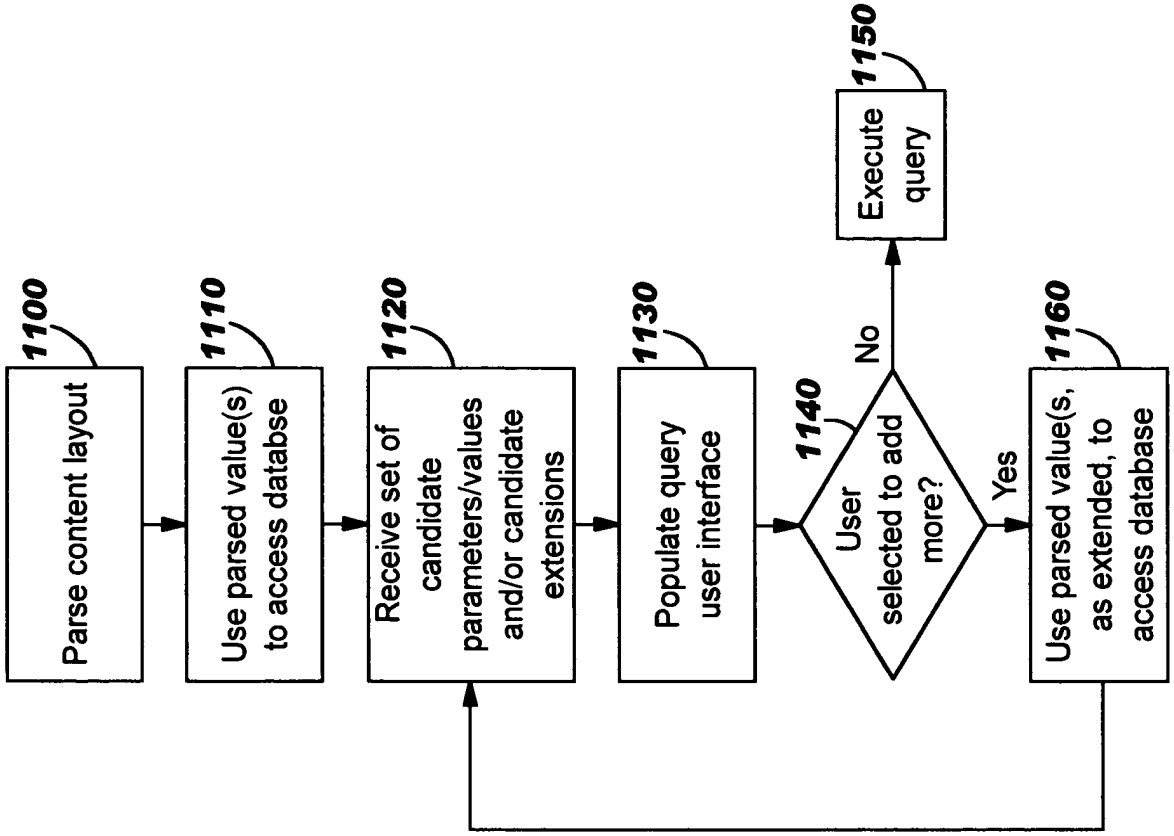
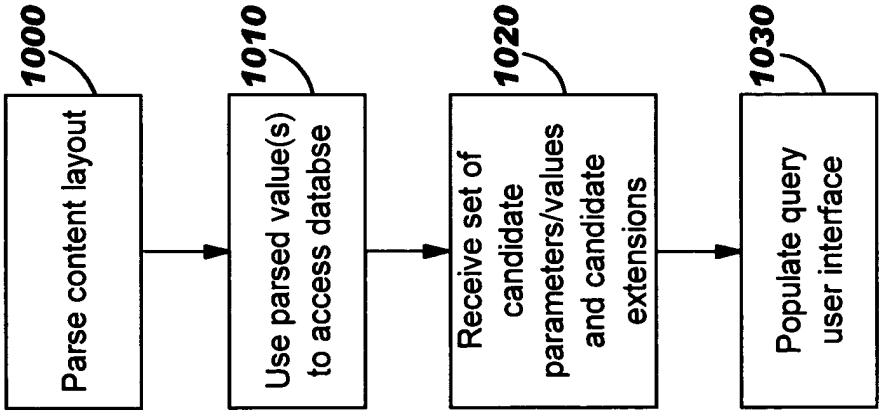

1100
Parse content layout
1110
Use parsed value(s) to access databse
1120
Receive set of candidate parameters/values and/or candidate extensions
1130
Populate query user interface
1140
User selected to add more?
No
Yes
1150
Execute query
1160
Use parsed value(s, as extended, to access database

FIG. 10


1000
Parse content layout
1010
Use parsed value(s) to access databse
1020
Receive set of candidate parameters/values and candidate extensions
1030
Populate query user interface